What is claimed is:

1. A home network system, comprising:

a m aster d evice f or t ransmitting a d eletion r equest m essage to a h ome
appliance connected to the home network system in order to disconnect the home
appliance, receiving a deletion ACK response message from the home appliance,
and deleting home appliance related information; and

a home appliance for receiving the deletion request message from the
master device, transmitting the deletion ACK response message, and deleting
home network system related information.

2. The system of claim 1, wherein the deletion request message comprises
a logical address for the home appliance.

3. The system of claim 1, wherein the home network system related
information comprises at least a logical address assigned by the master device,
and the home appliance changes the logical address to a previously-stored initial
logical address and stores the changed address.

4. The system of one of claims 1 to 3, wherein the master device further
comprises a display device for displaying deletion of the home appliance related
information.

5. A disconnection method of a home appliance in a home network system
including at least one master device and at least one home appliance, comprising
the steps of:

transmitting, at the master device, a deletion request message to the home appliance in order to disconnect the home appliance from the home network system;

transmitting, at the home appliance, a deletion ACK response message to

5   the master device;

deleting, at the home appliance, home network system related information; and

deleting, at the master device, home appliance related information.

10   6. The method of claim 5, wherein the deletion request message comprises a logical address for the home appliance.

7. The method of claim 5, wherein the home network system related information comprises at least a logical address assigned by the master device, the

15   method further comprising a step for changing, at the home appliance, the logical address to a previously-stored initial logical address and storing the changed address.

8. The method of one of claims 5 to 7, further comprising a step for

20   displaying, at the master device, deletion of the home appliance related information through a display device.

9. A program s torage m edium f or storing a c omputer readable p rogram which disconnects a home appliance from a home network system including at

25   least one master device and at least one home appliance, and which comprises the steps of:

transmitting, at the master device, a deletion request message to the home appliance in order to disconnect the home appliance from the home network system;

transmitting, at the home appliance, a deletion ACK response message to 5 the master device;

deleting, at the home appliance, home network system related information; and

deleting, at the master device, home appliance related information.

10   10. The medium of claim 9, wherein the deletion request message comprises a logical address for the home appliance.

11. The medium of claim 9, wherein the home network system related information comprises at least a logical address assigned by the master device, 15 and the program further comprises a step for changing, at the home appliance, the logical address to an initial logical address.

12. The medium of claim 9 or 11, wherein the program further comprises a step for displaying, at the master device, deletion of the home appliance related 20 information through a display device.